

## Enhancement and Demonstration of Stream Water Quality Modeling Field Studies

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Reclamation has a need to enhance its capability to address the impact of toxic chemicals and metals transport and partitioning in streams. Reclamation and EPA have been cooperatively funding the development of graphical user interfaces for the WASP model through the Colorado State University Integrated Decision Support Group.

To build user-friendly graphical tools for the WASP modeling system and apply these tools to a data set.

Because of EPA's cofunding, excellent progress has been made and the success has been greater than originally anticipated. WASP Analysis Tools, which consist of the Graphical Data Processor (GDP) and WASP Builder, can be found at <http://www.ids.colostate.edu/projects/wasp/> a web site at Colorado State University. Click on the hypertext links to either the graphical data processor (GDP) or the WASP Builder. The software, user's manual, brochure, and PowerPoint presentation slide show, which displays the main features, are available on the web for each graphical user interface.

EPA via an interagency agreement and the Colorado State University Integrated Decision Support Group.

The GDP and Wasp Builder graphical user interfaces were developed for use in modeling toxic chemicals and metals transport in streams and applied to the California Gulch data set. The functional and tested software, user's manuals, and all associated documents are free, available on the web, and have already been downloaded by many users. On-line context sensitive help is built into the software. A technical paper was presented and the tools displayed at the First Federal Interagency Hydrologic Modeling Conference. A proposal has been submitted to EPA to expand the capabilities of the tools already developed. Task memos for various components and a final project report are being prepared.